



EXPRESS MAIL NO. EV529804626US

Sheet 1 of 3

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

ATTY. DOCKET NO.

484112.413

APPLICATION NO.

10/706,275

APPLICANTS

George H. Lowell et al.

FILING DATE

November 13, 2003

GROUP ART UNIT

1645

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NMM	AA	2002/0176863 A1	11/28/02	Dale	424	184.1	
	AB	2002/0086023 A1	07/04/02	Dale	424	178.1	
	AC	2003/0143245 A1	07/31/03	Reddish et al.	424	190.1	
	AD	2003/0157122 A1	08/21/03	Dale	424	190.1	
	AE	2005/0042230 A1	02/24/05	Anderson et al.	424	186.1	
	AF	2005/0063988 A1	03/24/05	Dale	424	190.1	
	AG	2005/0152919 A1	07/14/05	Ward et al.	424	212.1	
	AH	2005/0202037 A1	09/15/05	Dale	424	190.1	
	AI	4,454,121	06/12/84	Beachey	424	177	
	AJ	4,521,334	06/04/85	Beachey	260	112.5	
	AK	4,597,967	07/01/86	Beachey	424	88	
	AL	4,695,562	09/22/87	Beachey et al.	514	13	
	AM	4,705,684	11/10/87	Beachey	424	88	
	AN	4,728,639	03/01/88	Beachey	514	12	
	AO	4,919,930	04/24/90	Beachey et al.	424	88	
	AP	5,124,153	06/23/92	Beachey et al.	424	93P	
	AQ	5,162,226	11/10/92	Beachey et al.	435	252.3	
✓	AR	5,985,284	11/16/99	Lowell	424	234.1	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AS					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AT	
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EXAMINER

/N. M. Minnifield/ (05/16/2006)

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)	ATTY. DOCKET NO. <b>484112.413</b>	APPLICATION NO. <b>10/706,275</b>
	APPLICANTS <b>George H. Lowell et al.</b>	
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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NMM	BA	6,716,433 B1	04/06/04	Dale	424	244.1	
NMM	BB	6,743,900 B2	06/01/04	Burt et al.	530	414	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
NMM	BC	EP 0 305 279 A1	03/01/89	EPO		
	BD	WO 98/01558 A2	01/15/98	PCT		
	BE	WO 99/13084 A1	03/18/99	PCT		
	BF	WO 00/37648 A1	06/29/00	PCT		
	BG	WO 00/40729 A1	07/13/00	PCT		
	BH	WO 01/60402 A2	08/23/01	PCT		
	BI	WO 02/057315 A2	07/25/02	PCT		
	BJ	WO 03/065973 A2	08/14/03	PCT		
	BK	WO 2004/098636 A2	11/18/04	PCT		
	BL	WO 2005/007189 A1	01/27/05	PCT		
	BM	WO 2005/027964 A1	03/31/05	PCT		
	BN	WO 2005/042017 A1	05/12/05	PCT		

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

NMM	BO	Bronze, M. S. et al., "Epitopes of group A streptococcal M protein that evoke cross-protective local immune responses," <i>The Journal of Immunology</i> , 148(3):888-893, February 1, 1992.
NMM	BP	Cartwright, K., "Group A streptococcal infections in humans," <i>Journal of Applied Microbiology Symposium</i> , 83(Suppl.):52S-61S, 1997.
NMM	BQ	Guzman, C. A. et al., "Protective immune response against <i>Streptococcus pyogenes</i> in mice after intranasal vaccination with Fibronectin-Binding protein SfbI," <i>The Journal of Infectious Diseases</i> , 179(4):901-906, April 1999.

EXAMINER /N. M. Minnifield/ (05/16/2006)	DATE CONSIDERED
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**Date: April 17, 2006**